

WHAT IS CLAIMED IS:

1. A light emitting apparatus, comprising:
  - an insulator;
  - anodes formed on said insulator;
  - 5 cathodes formed on said insulator so as to be orthogonal to said anodes;
  - and
  - luminescent materials interposed between said anodes and said cathodes,
  - wherein auxiliary wirings are electrically connected to said anodes.
- 10 2. An apparatus according to claim 1, wherein said auxiliary wirings are formed of a metal film.
3. An apparatus according to claim 2, wherein said metal film comprises platinum, palladium, nickel, gold, aluminum, copper, silver, tantalum, tungsten, molybdenum or  
15 titanium.
4. An apparatus according to claim 1, wherein said anodes are formed of electrically conductive oxide films.
- 20 5. An apparatus according to claim 1, wherein said anodes and said cathodes are electrically connected to a driver circuit, and said driver circuit is formed on a substrate made of any one selected from a group consisting of glass, quartz glass, silicon or plastic.
- 25 6. An electric device using an apparatus according to claim 1.

7. A light emitting apparatus, comprising:

an insulator;

anodes formed on said insulator;

5 cathodes formed on said insulator so as to be orthogonal to said anodes;

and

luminescent materials interposed between said anodes and said cathodes,

wherein wirings different in material from said anodes are electrically  
connected to said anodes in regions where said anodes and said cathodes cross each

10 other.

8. An apparatus according to claim 7, wherein said wirings are formed of metal  
films.

15 9. An apparatus according to claim 8, wherein said metal films comprise platinum,  
palladium, nickel, gold, aluminum, copper, silver, tantalum, tungsten, molybdenum or  
titanium.

10. An apparatus according to claim 7, wherein said anodes are formed of  
20 electrically conductive oxide films.

11. An apparatus according to claim 7, wherein said anodes and said cathodes are  
electrically connected to a driver circuit, and said driver circuit is formed on a substrate  
made of any one selected from a group consisting of glass, quartz glass, silicon or  
25 plastic.

12. An electric device using an apparatus according to claim 7.

13. A light emitting apparatus, comprising:

an insulator;

5 anodes formed on said insulator;

cathodes formed on said insulator so as to be orthogonal to said anodes;

and

luminescent materials interposed between said anodes and said cathodes,

wherein wirings made of a material lower in resistance than that of said

10 anodes are electrically connected to said anodes in regions where said anodes and said cathodes cross each other.

14. An apparatus according to claim 13, wherein said wirings are formed of metal films.

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15. An apparatus according to claim 14, wherein said metal films comprise platinum, palladium, nickel, gold, aluminum, copper, silver, tantalum, tungsten, molybdenum or titanium.

20 16. An apparatus according to claim 13, wherein said anodes are formed of electrically conductive oxide films.

17. An apparatus according to claim 13, wherein said anodes and said cathodes are electrically connected to a driver circuit, and said driver circuit is formed on a  
25 substrate made of any one selected from a group consisting of glass, quartz glass,

silicon or plastic.

18. An electric device using an apparatus according to claim 13.

5 19. A method of manufacturing a light emitting apparatus, comprising the steps of:

forming anodes and auxiliary wirings electrically connected to said anodes on an insulator;

forming luminescent materials on said anodes; and

10 forming cathodes on said luminescent materials.

20. A method according to claim 19, wherein a material lower in resistance than that of said anodes is used as said auxiliary wirings.

15 21. A method according to claim 20, wherein said auxiliary wirings comprise an element selected from the group consisting of platinum, palladium, nickel, gold, aluminum, copper, silver, tantalum, tungsten, molybdenum, and titanium.

22. A method of manufacturing a light emitting apparatus, comprising the steps  
20 of:

forming cathodes on an insulator;

forming luminescent materials on said cathodes; and

forming anodes and auxiliary wirings electrically connected to said anodes on said luminescent materials.

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23. A method according to claim 22, wherein a material lower in resistance than that of said anodes is used as said auxiliary wirings.

24. A method according to claim 22, wherein said auxiliary wirings comprise an  
5 element selected from the group consisting of platinum, palladium, nickel, gold, aluminum, copper, silver, tantalum, tungsten, molybdenum, and titanium.